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(54) Title: **ALPHA 1-ANTITRYPSIN COMPOSITIONS AND TREATMENT METHODS USING SUCH COMPOSITIONS**

(57) Abstract: Alpha 1-antitrypsin compositions and treatment methods using such compositions for treating a variety of pulmonary diseases are provided. The compositions generally contain AAT, a stabilizing carbohydrate such as trehalose, a surfactant such as Polysorbate 80 and an antioxidant to stabilize AAT for use as a therapeutic. The formulations can be prepared as both liquids and solids and administered by nebulization of the liquid formulation or by conversion of dry powder formulation into an aerosol.

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